**More Multiplication Properties of Exponent**



Power of a Power



Power of a Product

**Sample Problem 1:** Simplify the following expressions.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. |  | 2. |  |
| 3. |  | 4. |  |

**Sample Problem 2:** Evaluate the following using properties of powers.

|  |  |  |  |
| --- | --- | --- | --- |
| 5. |  | 6. |  |
| 7. |  | 8. |  |
| 9. |  | 10. |  |